Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1.   (Cancelled)

2.   **(Currently Amended)**   A system for managing the routing of information from a source to a destination through a plurality of networks, wherein at least one of the networks is a packet network, the system comprising:

a routing processor for receiving a query signal from the source via a wireless link, wherein the query signal specifies the destination to which the information will be routed, and wherein the processor is configured to identify a subscriber service associated with the destination; ~~and~~

at least one subsystem that stores:

~~a memory for storing~~ one or more characteristics of the source; ~~and~~

one or more characteristics of the destination~~,~~, said one or more characteristics of the destination including the type of equipment at the destination, and information indicating a type of service associated with the destination wherein the type of service is one of a fixed wireless service or a PSTN service; and

information about the topology of the networks;

at least one subsystem, accessible from the routing processor, that ~~wherein the processor~~ determines a route for the transmission of the information based on:

the query signal, ~~based on~~

the identified subscriber service associated with the destination, ~~and based on~~

the characteristics stored in the memory, and

the information about the topology of the networks; and

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~~wherein one of the one or more characteristics of the destination includes~~

~~information indicating a type of equipment at the destination and wherein~~

~~the processor or a network element~~ <u>at least one subsystem,</u> other than the

source, ~~packetizes~~ <u>that converts</u> the information sent over the route <u>into</u>

<u>data packets.</u>

3.   (Previously Presented)   The system according to claim 2, wherein the source
subscribes to a fixed wireless service network.

4.   (Previously Presented)   The system according to claim 3, wherein the destination
subscribes to the same fixed wireless service network as the source.

5.   (Previously Presented)   The system according to claim 3, wherein the destination
subscribes to a PSTN service network.

6.   (Cancelled)

7.   (Previously Presented)   The system according to claim 1, wherein the
information includes digitized voice information.

8.   (Previously Presented)   The system according to claim 1, wherein the signal is a
DTMF signal.

9-12. (Cancelled)

13.   (Currently Amended)   A method for managing the routing of information to a
destination through a plurality of networks, wherein at least one of the networks is a
packet network, and wherein each network is linked to at least one other network by a
communication medium, the method comprising:

　　　　receiving a query specifying a destination to which the information will be routed

　　　　　　　at a routing processor, wherein the destination is one of at least two

　　　　　　　possible destinations, and wherein <u>the type of equipment at the destination</u>

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is one of a fixed wireless subscriber device or a PSTN subscriber device at

~~least one of two different types of equipment are each associated with a~~

~~possible destination;~~

storing one or more characteristics of the destination, <u>including information</u>

<u>indicating whether the equipment at the destination is fixed wireless</u>

<u>subscriber device or a PSTN subscriber device</u>;

<u>storing information about the network topology;</u>

identifying a subscriber service associated with the destination; and

if the destination subscribes to a service associated with a wired information

transfer network, determining a route for the transmission of the

information based on

the query ~~and based on~~

the one or more stored characteristics, <u>and</u>

<u>the information about the network topology; and</u>

~~wherein the one or more stored characteristics include information~~

~~indicating the at least one of two types of equipment at the destination,~~

~~and wherein the processor or a network element other than the source,~~

~~packetizes~~ <u>converting</u> the information sent over the route <u>into data</u>

<u>packets</u>.

14.   (Previously Presented)   The method according to claim 13, wherein the storing

the one or more characteristics includes storing at least one address for the destination.

15.   (Currently Amended)   A method for managing the routing of information to a

destination through a plurality of networks, wherein at least one of the networks is ~~a~~ <u>an</u>

<u>ATM</u> packet network, and wherein each network is linked to at least one other network

by a communication medium, the method comprising:

receiving a query specifying a destination to which the information will be routed

at a routing processor, wherein the destination is one of at least two

possible destinations, and wherein at least three different types of

equipment are each associated with a possible destination:

storing one or more characteristics of the destination;

storing information about the ATM packet network topology;

identifying a subscriber service associated with the destination, wherein said

subscriber service is one of a fixed wireless service or a PSTN service; and

determining a transmission path for routing the information through the networks, wherein the determining is based at least in part on: the received query signal, the stored ATM packet network topology information, the stored characteristics, wherein the stored characteristics include information indicating the type of equipment at the destination, and the identified subscriber service associated with the destination, and

~~wherein, if the destination subscribes to a service associated with a wired information transfer network and the equipment at the destination is not configured to accept information from the source via the wired information transfer network alone, the determined transmission path comprises at least one packet network in addition to the wired information transfer network, and wherein the source does not packetize the information sent over the determined transmission path.~~

16. (Previously Presented)   The method according to claim 15 wherein the equipment at the destination comprises a facsimile device.

17. (Previously Presented)   The method according to claim 15 wherein the equipment at the destination comprises a computer.

18. (Previously Presented) The method according to claim 15 wherein the equipment at the destination comprises a modem.

19. (Cancelled)

20. (Currently Amended)   The method according to claim 15 wherein, if the destination subscribes to a service associated with a wired information transfer network

and the equipment at the destination is configured to accept information from the source via the wired information transfer network alone, and wherein the determined transmission path does not comprise a-an ATM packet network in addition to the wired information transfer network.

21. (Currently Amended) The method according to claim 15 wherein, if the destination subscribes to a service associated with a wireless information transfer network, the determined transmission path comprises at least one ATM packet network.

22. (Currently Amended) A system for managing the routing of information from a source to a destination through a plurality of networks, wherein at least one of the networks is a-an ATM packet network, the system comprising:

a routing processor for receiving a query signal from the source, the signal specifying the destination to which the information will be routed, the destination being one of at least two possible destinations, wherein at least two different types of equipment are each associated with a possible destination;

wherein the processorat least one subsystem that identifies a subscriber service associated with the destination; and

at least one subsystem that stores one or more characteristics of the destination wherein the stored characteristics include information indicating the type of equipment at the destination;

at least one subsystem that identifies the subscriber service associated with the destination;

at least one subsystem that stores information about the ATM packet network topology; and

at least one subsystem that determines a transmission path for routing the information through the networks based at least in part on the received query signal, the stored ATM packet network topology information, the stored characteristics, and the identified subscriber service associated with the destination

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~~wherein, if the processor confirms that the destination subscribes to a service associated with a wired information transfer network, the processor determines a route for the transmission of the information based on the query signal and based on information relating to the type of information receivable by the equipment at the destination, and wherein the source does not packetize the information sent over the route.~~

23.   (Previously Presented)   The system according to claim 22, wherein the source subscribes to a fixed wireless service network.

24.   (Currently Amended)   The system according to claim 23, wherein the destination subscribes to the same fixed wireless service network as the source and wherein the system further comprises <u>at least one subsystem that converts the information sent over the transmission path into data packets</u>.

25.   (Previously Presented)   The system according to claim 23, wherein the destination subscribes to a PSTN service network.

26.   (Cancelled)

27.   (Previously Presented)   The system according to claim 22, wherein the information includes digitized voice information.

28.   (Previously Presented)   The system according to claim 22, wherein the signal is a DTMF signal.

29.   (Currently Amended)   A method for managing the routing of information to a destination through a plurality of networks, wherein at least one of the networks is ~~a~~ <u>an ATM</u> packet network, and wherein each network is linked to at least one other network by a communication medium, the method comprising:

receiving a query specifying a destination to which the information will be routed at a routing processor, wherein the destination is one of at least three

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possible destinations, and wherein at least two different types of

equipment are each associated with a possible destination;

storing information about the ATM packet network topology;

identifying a subscriber service associated with the destination;

determining a route for transmission of the information based on the query, the

type of equipment at the destination, the network topology and the

subscriber service associated with the destination; and

~~and if the destination subscribes to a service associated with a wired information~~

~~transfer-network; determining a route for the transmission of the~~

~~information based on the query and on information indicating the type of~~

~~equipment at the destination and different from the information based on~~

~~the query, and wherein the processor or a network element other than the~~

~~source, packetizes the information sent over the route~~

converting the information sent over the route into data packets.

30.   (Previously Presented)   The method according to claim 29, wherein the
identified service is a wireline service and the equipment at the destination does not
include digital capabilities.

31.   (Previously Presented)   The method according to claim 29 wherein the identified
service is a wireline service and the equipment at the destination includes digital
capabilities.